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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/835,694

DATE: 09/14/2001
TIME: 11:06:23

Input Set : A:\18972PCA.txt
Output Set: N:\CRF3\09142001\I835694.raw

SEQUENCE LISTING

C--> 3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: DONNELLY, JOHN J.
6 DWARKI, VARAVANI J.
7 LIU, MARGARET A.
8 MONTGOMERY, DONNA L.
9 PARKER, SUEZANNE E.
10 SHIVER, JOHN W.
11 ULMER, JEFFREY B.

ENTERED

C--> 13 (ii) TITLE OF INVENTION: NUCLEIC ACID PHARMACEUTICALS - INFLUENZA MATRIX

15 (iii) NUMBER OF SEQUENCES: 64

17 (iv) CORRESPONDENCE ADDRESS:
18 (A) ADDRESSEE: J. MARK HAND - MERCK & CO., INC.
19 (B) STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
20 (C) CITY: RAHWAY
21 (D) STATE: NJ
22 (E) COUNTRY: USA
23 (F) ZIP: 07065-0907

25 (v) COMPUTER READABLE FORM:
26 (A) MEDIUM TYPE: Diskette
27 (B) COMPUTER: IBM Compatible
28 (C) OPERATING SYSTEM: DOS
29 (D) SOFTWARE: FastSEQ Version 1.5

31 (vi) CURRENT APPLICATION DATA:

32 (A) APPLICATION NUMBER: US/09/835,694

C--> 33 (B) FILING DATE: 16-Apr-2001

34 (C) CLASSIFICATION:

48 (vii) PRIOR APPLICATION DATA:

37 (A) APPLICATION NUMBER: 08/461 68
38 (B) FILING DATE: 05-June-1995
41 (A) APPLICATION NUMBER: PCT/US94/02751
42 (B) FILING DATE: 14-March-1994
45 (A) APPLICATION NUMBER: 08/089,985
46 (B) FILING DATE: 08-July-1993
49 (A) APPLICATION NUMBER: 08/032,383
50 (B) FILING DATE: 18-March-1993 ✓

52 (viii) ATTORNEY/AGENT INFORMATION:

53 (A) NAME: HAND, J. MARK
54 (B) REGISTRATION NUMBER: 36,545
55 (C) REFERENCE/DOCKET NUMBER: 18972PCA

57 (ix) TELECOMMUNICATION INFORMATION:

58 (A) TELEPHONE: 732-594-3905
59 (B) TELEFAX: 732-594-4720
60 (C) TELEX:

63 (2) INFORMATION FOR SEQ ID NO: 1:

65 (i) SEQUENCE CHARACTERISTICS:

66 (A) LENGTH: 18 base pairs

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67 (B) TYPE: nucleic acid
68 (C) STRANDEDNESS: single
69 (D) TOPOLOGY: linear
71 (ii) MOLECULE TYPE: cDNA
72 (iii) HYPOTHETICAL: NO
C--> 73 (iv) ANTI-SENSE: NO
W--> 74 (v) FRAGMENT TYPE:
75 (vi) ORIGINAL SOURCE:
77 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
79 GTGTGCACCT CAAGCTGG 18
81 (2) INFORMATION FOR SEQ ID NO: 2:
83 (i) SEQUENCE CHARACTERISTICS:
84 (A) LENGTH: 23 base pairs
85 (B) TYPE: nucleic acid
86 (C) STRANDEDNESS: single
87 (D) TOPOLOGY: linear
89 (ii) MOLECULE TYPE: cDNA
90 (iii) HYPOTHETICAL: NO
C--> 91 (iv) ANTI-SENSE: NO
W--> 92 (v) FRAGMENT TYPE:
93 (vi) ORIGINAL SOURCE:
95 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
97 CCCTTGAGA ATGTTGCACA TTC 23
99 (2) INFORMATION FOR SEQ ID NO: 3:
101 (i) SEQUENCE CHARACTERISTICS:
102 (A) LENGTH: 33 base pairs
103 (B) TYPE: nucleic acid
104 (C) STRANDEDNESS: single
105 (D) TOPOLOGY: linear
107 (ii) MOLECULE TYPE: cDNA
108 (iii) HYPOTHETICAL: NO
C--> 109 (iv) ANTI-SENSE: NO
W--> 110 (v) FRAGMENT TYPE:
111 (vi) ORIGINAL SOURCE:
113 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
115 GGTACAAGAT CTACCATGCT TCTAACCGAG GTC 33
117 (2) INFORMATION FOR SEQ ID NO: 4:
119 (i) SEQUENCE CHARACTERISTICS:
120 (A) LENGTH: 36 base pairs
121 (B) TYPE: nucleic acid
122 (C) STRANDEDNESS: single
123 (D) TOPOLOGY: linear
125 (ii) MOLECULE TYPE: cDNA
126 (iii) HYPOTHETICAL: NO
C--> 127 (iv) ANTI-SENSE: YES
W--> 128 (v) FRAGMENT TYPE:
129 (vi) ORIGINAL SOURCE:
131 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
133 CCACATAGAT CTTCACTTGA ACCGTTGCAT CTGCAC 36

RAW SEQUENCE LISTING
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135 (2) INFORMATION FOR SEQ ID NO: 5:
137 (i) SEQUENCE CHARACTERISTICS:
138 (A) LENGTH: 23 base pairs
139 (B) TYPE: nucleic acid
140 (C) STRANDEDNESS: single
141 (D) TOPOLOGY: linear
143 (ii) MOLECULE TYPE: cDNA
144 (iii) HYPOTHETICAL: NO
C--> 145 (iv) ANTI-SENSE: NO
W--> 146 (v) FRAGMENT TYPE:
147 (vi) ORIGINAL SOURCE:
149 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
151 CTATATAAGC AGAGCTCGTT TAG 23
153 (2) INFORMATION FOR SEQ ID NO: 6:
155 (i) SEQUENCE CHARACTERISTICS:
156 (A) LENGTH: 30 base pairs
157 (B) TYPE: nucleic acid
158 (C) STRANDEDNESS: single
159 (D) TOPOLOGY: linear
161 (ii) MOLECULE TYPE: cDNA
162 (iii) HYPOTHETICAL: NO
C--> 163 (iv) ANTI-SENSE: YES
W--> 164 (v) FRAGMENT TYPE:
165 (vi) ORIGINAL SOURCE:
167 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
169 GTAGCAAAGA TCTAAGGACG GTGACTGCAG 30
171 (2) INFORMATION FOR SEQ ID NO: 7:
173 (i) SEQUENCE CHARACTERISTICS:
174 (A) LENGTH: 39 base pairs
175 (B) TYPE: nucleic acid
176 (C) STRANDEDNESS: single
177 (D) TOPOLOGY: linear
179 (ii) MOLECULE TYPE: cDNA
180 (iii) HYPOTHETICAL: NO
C--> 181 (iv) ANTI-SENSE: NO
W--> 182 (v) FRAGMENT TYPE:
183 (vi) ORIGINAL SOURCE:
185 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
187 GTATGTGTCT GAAAATGAGC GTGGAGATTG GGCTCGCAC 39
189 (2) INFORMATION FOR SEQ ID NO: 8:
191 (i) SEQUENCE CHARACTERISTICS:
192 (A) LENGTH: 39 base pairs
193 (B) TYPE: nucleic acid
194 (C) STRANDEDNESS: single
195 (D) TOPOLOGY: linear
197 (ii) MOLECULE TYPE: cDNA
198 (iii) HYPOTHETICAL: NO
C--> 199 (iv) ANTI-SENSE: YES
W--> 200 (v) FRAGMENT TYPE:

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Input Set : A:\18972PCA.txt
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201 (vi) ORIGINAL SOURCE:
203 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
205 GTGCGAGCCC AATCTCCACG CTCATTTCA GACACATAC 39
207 (2) INFORMATION FOR SEQ ID NO: 9:
209 (i) SEQUENCE CHARACTERISTICS:
210 (A) LENGTH: 9 amino acids
211 (B) TYPE: amino acid
212 (C) STRANDEDNESS: single
213 (D) TOPOLOGY: linear
215 (ii) MOLECULE TYPE: peptide
216 (iii) HYPOTHETICAL: NO
C--> 217 (iv) ANTI-SENSE: NO
W--> 218 (v) FRAGMENT TYPE: None
219 (vi) ORIGINAL SOURCE:
221 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
223 Thr Tyr Gln Arg Thr Arg Ala Leu Val
224 1 5
226 (2) INFORMATION FOR SEQ ID NO: 10:
228 (i) SEQUENCE CHARACTERISTICS:
229 (A) LENGTH: 4432 base pairs
230 (B) TYPE: nucleic acid
231 (C) STRANDEDNESS: double
232 (D) TOPOLOGY: both
234 (ii) MOLECULE TYPE: cDNA
235 (iii) HYPOTHETICAL: NO
C--> 236 (iv) ANTI-SENSE: NO
W--> 237 (v) FRAGMENT TYPE:
238 (vi) ORIGINAL SOURCE:
240 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
242 TCGCGCGTTT CGGTGATGAC GGTGAAAACC TCTGACACAT GCAGCTCCCG GAGACGGTCA 60
243 CAGCTTGTCT GTAAGCGGAT GCCGGGAGCA GACAAGCCCG TCAGGGCGCG TCAGCGGGTG 120
244 TTGGCGGGTG TCGGGGCTGG CTTAACTATG CGGCATCAGA GCAGATTGTA CTGAGAGTGC 180
245 ACCATATGCG GTGTGAAATA CCGCACAGAT GCGTAAGGAG AAAATACCGC ATCAGATTGG 240
246 CTATTGGCCA TTGCATACGT TGTATCCATA TCATAATATG TACATTTATA TTGGCTCATG 300
247 TCCAACATTA CCGCCATGTT GACATTGATT ATTGACTAGT TATTAATAGT AATCAATTAC 360
248 GGGGTCTTAA GTTCATAGCC CATATATGGA GTTCCGCGTT ACATAACTTA CGGTAAATGG 420
249 CCCGCCTGGC TGACCGCCCA ACGACCCCG CCCATTGACG TCAATAATGA CGTATGTTCC 480
250 CATAGTAACG CCAATAGGGA CTTTCCATTG ACGTCAATGG GTGGAGTATT TACGGTAAAC 540
251 TGCCCCTTG GCAGTACATC AAGTGTATCA TATGCCAAGT ACGCCCCCTA TTGACGTCAA 600
252 TGACGGTAAA TGGCCCGCCT GGCATTATGC CCAGTACATG ACCTTATGGG ACTTTCTTAC 660
253 TTGGCAGTAC ATCTACGTAT TAGTCATCGC TATTACCATG GTGATGCGGT TTTGGCAGTA 720
254 CATCAATGGG CGTGGATAGC GGTTCGACTC ACGGGGATT CCAAGTCTCC ACCCCATTGA 780
255 CGTCAATGGG AGTTGTTTT GGCACCAAAA TCAACGGGAC TTTCCAAAT GTGCTAACAA 840
256 CTCCGCCCA TTGACGCAA TGGGCGGTAG GCGTGTACGG TGGGAGGTCT ATATAAGCAG 900
257 AGCTCGTTA GTGAACCGTC AGATCGCTG GAGACGCCAT CCACGCTGTT TTGACCTCCA 960
258 TAGAAGACAC CGGGACCGAT CCAGCCTCCG CGGCCGGAA CGGTGCATTG GAACGCGGAT 1020
259 TCCCCGTGCC AAGAGTGACG TAAGTACCGC CTATAGAGTC TATAGGCCA CCCCCCTGGC 1080
260 TTCTTATGCA TGCTATACTG TTTTTGGCTT GGGGTCTATA CACCCCCGCT TCCTCATGTT 1140
261 ATAGGGTATG GTATAGCTTA GCCTATAGGT GTGGGTTATT GACCATTATT GACCACTCCC 1200

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262	CTATTGGTGA	CGATACTTTC	CATTACTAAT	CCATAACATG	GCTCTTGCC	ACAACTCTCT	1260
263	TTATTGGCTA	TATGCCAATA	CACTGTCCTT	CAGAGACTGA	CACGGACTCT	GTATTTTAC	1320
264	AGGATGGGGT	CTCATTTATT	ATTACAAAT	TCACATATAC	AACACCACCG	TCCCCAGTGC	1380
265	CCGCAGTTT	TATTAACAT	AACGTGGGAT	CTCCACCGA	ATCTCAGGTA	CGTGTCCGG	1440
266	ACATGGGCTC	TTCTCCGGTA	GCGCGGAGC	TTCTACATCC	GAGCCCTGCT	CCCATGCCTC	1500
267	CAGCGACTCA	TGGTCGCTCG	GCAGCTCCTT	GCTCCTAACAA	GTGGAGGCCA	GACTTAGGCA	1560
268	CAGCACGATG	CCCACCCACCA	CCAGTGTGCC	GCACAAAGGCC	GTGGCGGTAG	GGTATGTGTC	1620
269	TGAAAATGAG	CTCGGGGAGC	GGGCTTGAC	CGCTGACGCA	TTTGGAAAGAC	TTAAGGCAGC	1680
270	GGCAGAAAGAA	GATGCAGGCA	GCTGAGTTGT	TGTGTTCTGA	TAAGAGTCAG	AGGTAACTCC	1740
271	CGTTGCGGTG	CTGTTAACGG	TGGAGGGCAG	TGTAGTCTGA	GCAGTACTCG	TTGCTGCCGC	1800
272	GCGGCCACC	AGACATAATA	GCTGACAGAC	TAACAGACTG	TTCCCTTCCA	TGGGTCTTTT	1860
273	CTGCAGTCAC	CGTCCTTAGA	TCTGCTGTG	CTTCTAGTTG	CCAGCCATCT	GTGTTTGCC	1920
274	CCTCCCCCGT	GCCTTCCTTG	ACCCCTGAAAG	GTGCCACTCC	CACTGTCCTT	TCTTAATAAA	1980
275	ATGAGGAAAT	TGCATCGCAT	TGTCTGAGTA	GGTGTCAATT	TATTCTGGGG	GGTGGGGTGG	2040
276	GGCAGCACAG	CAAGGGGGAG	GATTGGGAAG	ACAATAGCAG	GCATGCTGGG	GATGCCGTGG	2100
277	GCTCTATGGG	TACCCAGGTG	CTGAAGAATT	GACCCGGTTC	CTCCTGGGCC	AGAAAGAAGC	2160
278	AGGCACATCC	CCTTCTCTGT	GACACACCC	GTCCACGCC	CTGGTTCTTA	GTCCAGCCC	2220
279	CACTCATAGG	ACACTCATAG	CTCAGGAGGG	CTCCGCCTTC	AATCCCACCC	GCTAAAGTAC	2280
280	TTGGAGCGGT	CTCTCCCTCC	CTCATCAGCC	CACCAAACCA	AACCTAGCCT	CCAAGAGTGG	2340
281	GAAGAAATTA	AAGCAAGATA	GGCTATTAAAG	TGCAAGAGGGA	GAGAAAATGC	CTCCAACATG	2400
282	TGAGGAAGTA	ATGAGAGAAA	TCATAGAATT	TCTTCCGCTT	CCTCGCTCAC	TGACTCGCTG	2460
283	CGCTCGGTG	TTCCGCTGCG	GCGAGCGGT	TCAGCTCACT	CAAAGCGGT	AATACGGTTA	2520
284	TCCACAGAAT	CAGGGGATAA	CGCAGGAAAG	AACATGTGAG	CAAAAGGCC	GCAAAAGGCC	2580
285	AGGAACCGTA	AAAAGGCCGC	GTTGCTGGCG	TTTTTCCATA	GGCTCCGCC	CCCTGACGAG	2640
286	CATCACAAAA	ATCGACGCTC	AAGTCAGAGG	TGGCGAAACC	CGACAGGACT	ATAAAAGATAC	2700
287	CAGGCGTTTC	CCCCCTGGAAG	CTCCCTCGTG	CGCTCTCCTG	TTCCGACCC	GCCGCTTACC	2760
288	GGATACCTGT	CCGCCTTCT	CCCTTCGGGA	AGCGTGGCGC	TTTCTCAATG	CTCACGCTGT	2820
289	AGGTATCTCA	GTTCGGTGT	GGTCGTTCGC	TCCAAGCTGG	GCTGTGTGCA	CGAACCCCCC	2880
290	GTTCAGCCCG	ACCGCTGCGC	CTTATCCGGT	AACTATCGTC	TTGACTCCAA	CCCGGTAAGA	2940
291	CACGACTTAT	CGCCACTGGC	AGCAGCCACT	GGTAACACAGGA	TTAGCAGAGC	GAGGTATGTA	3000
292	GGCGGTGCTA	CAGAGTTCTT	GAAGTGGTGG	CCTAACTACG	GCTACACTAG	AAGGACAGTA	3060
293	TTTGGTATCT	GCGCTCTGCT	GAAGCCAGTT	ACCTTCGGAA	AAAGAGTTGG	TAGCTCTTGA	3120
294	TCCGGCAAAAC	AAACCACCGC	TGGTAGCGGT	GGTTTTTTG	TTTGCAAGCA	GCAGATTACG	3180
295	CGCAGAAAAAA	AAGGATCTCA	AGAAGATCCT	TTGATCTTT	CTACGGGTC	TGACGCTCAG	3240
296	TGGAACGAAA	ACTCACGTTA	AGGGATTTTG	GTCATGAGAT	TATCAAAAG	GATCTTCACC	3300
297	TAGATCCTT	TAAATTTAAA	ATGAAGTTTT	AAATCAATCT	AAAGTATATA	TGAGTAAACT	3360
298	TGGTCTGACA	GTTACCAATG	CTTAATCAGT	GAGGCACCTA	TCTCAGCGAT	CTGTCTATTT	3420
299	CGTTCATCCA	TAGTTGCC	ACTCCCCGTC	GTGTAGATAA	CTACGATACG	GGAGGGCTTA	3480
300	CCATCTGGCC	CCAGTGCTGC	AATGATACCG	CGAGACCCAC	GCTCACCGC	TCCAGATTAA	3540
301	TCAGCAATAA	ACCAGCCAGC	CGGAAGGGCC	GAGCGCAGAA	GTGGTCTG	AACTTTATCC	3600
302	GCCTCCATCC	AGTCTATTAA	TTGTTGCC	GAAGCTAGAG	TAAGTAGTTC	GCCAGTTAAT	3660
303	AGTTTGC	ACGTTGTTGC	CATTGCTACA	GGCATCGTGG	TGTCACGCTC	GTGTTTGGT	3720
304	ATGGCTTCAT	TCAGCTCCGG	TTCCCAACGA	TCAAGCGAG	TTACATGATC	CCCCATGTTG	3780
305	TGCAAAAAAG	CGGTTAGCTC	CTTCGGTCT	CCGATCGTT	TCAGAAGTAA	GTGGGCCGCA	3840
306	GTGTTATCAC	TCATGGTTAT	GGCAGCACTG	CATAATTCTC	TTACTGTCAT	GCCATCCGTA	3900
307	AGATGCTTT	CTGTGACTGG	TGAGTACTCA	ACCAAGTCAT	TCTGAGAATA	GTGTATGCGG	3960
308	CGACCGAGTT	GCTCTTGC	GGCGTCAATA	CGGGATAATA	CCGCGCCACA	TAGCAGAACT	4020
309	TTAAAAGTGC	TCATCATTGG	AAAACGTCT	TCGGGGCGAA	AACTCTCAAG	GATCTTACCG	4080
310	CTGTTGAGAT	CCAGTTCGAT	GTAACCCACT	CGTGCACCCA	ACTGATCTTC	AGCATTTTT	4140

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/835,694

DATE: 09/14/2001
TIME: 11:06:24

Input Set : A:\18972PCA.txt
Output Set: N:\CRF3\09142001\I835694.raw

L:3 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]
L:13 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:]
L:32 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:33 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:73 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:74 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=1
L:91 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:92 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=2
L:109 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:110 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=3
L:127 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:128 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=4
L:145 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:146 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=5
L:163 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:164 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=6
L:181 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:182 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=7
L:199 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:200 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=8
L:217 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:218 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=9
L:236 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:237 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=10
L:327 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:328 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=11
L:381 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:382 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=12
L:400 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:401 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=13
L:419 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:420 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=14
L:439 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:440 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=15
L:459 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:460 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=16
L:479 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
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L:499 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
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L:598 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
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L:635 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:636 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=21
L:654 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:655 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=22

VERIFICATION SUMMARY

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L:672 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:673 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=23
L:690 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:691 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=24
L:708 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:709 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=25
L:726 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:727 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=26
L:745 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:746 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=27
L:763 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:764 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=28
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L:799 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:800 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=30
L:817 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:818 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=31
L:835 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:836 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=32
L:853 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:854 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=33
L:871 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:872 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=34
L:889 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:890 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=35
L:907 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:908 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=36
L:925 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:926 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=37
L:943 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:944 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=38
L:961 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:962 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=39
L:979 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:980 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=40
L:997 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:998 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=41
L:1015 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1016 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=42
L:1033 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1034 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=43
L:1051 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1052 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=44
L:1069 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1070 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=45
L:1146 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1147 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=46
L:1166 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=47

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/835,694

DATE: 09/14/2001

TIME: 11:06:24

Input Set : A:\18972PCA.txt

Output Set: N:\CRF3\09142001\I835694.raw

L:1185 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=48

L:1204 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=49

L:1223 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=50